

Math 422.5
Coordinate Geometry Test
Topics List

- Distance formula
- Equation of a circle
- Slope formula
- Midpoint Formula
- Slopes of parallel lines
- Slopes of perpendicular lines
- Coordinate geometry proofs
- Identify the equation of a line
- Find the x and y intercepts of a line
- Equation of a horizontal or vertical line
- Express the equation of a line in slope-intercept form
- Express the equation of a line in point-slope form
- Write an equation of a line when given: a point and the slope; two points; a point and an equation of a parallel or perpendicular line
- Find an equation of a line that is the perpendicular bisector of a segment
- Find the point of intersection of two lines graphically
- Find the area of a polygon by “wrapping” the polygon in a rectangle